

Fig. 1

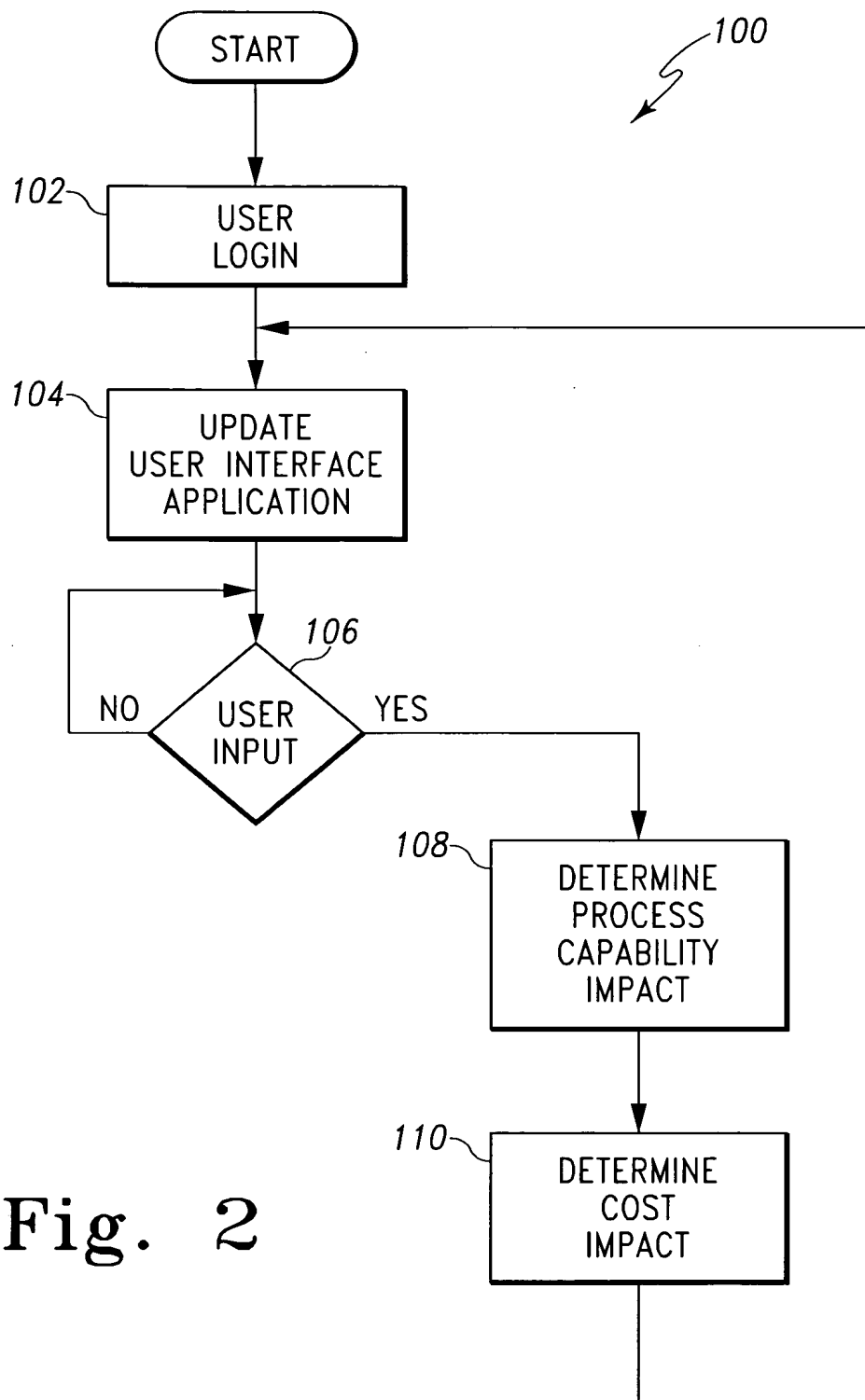


Fig. 2

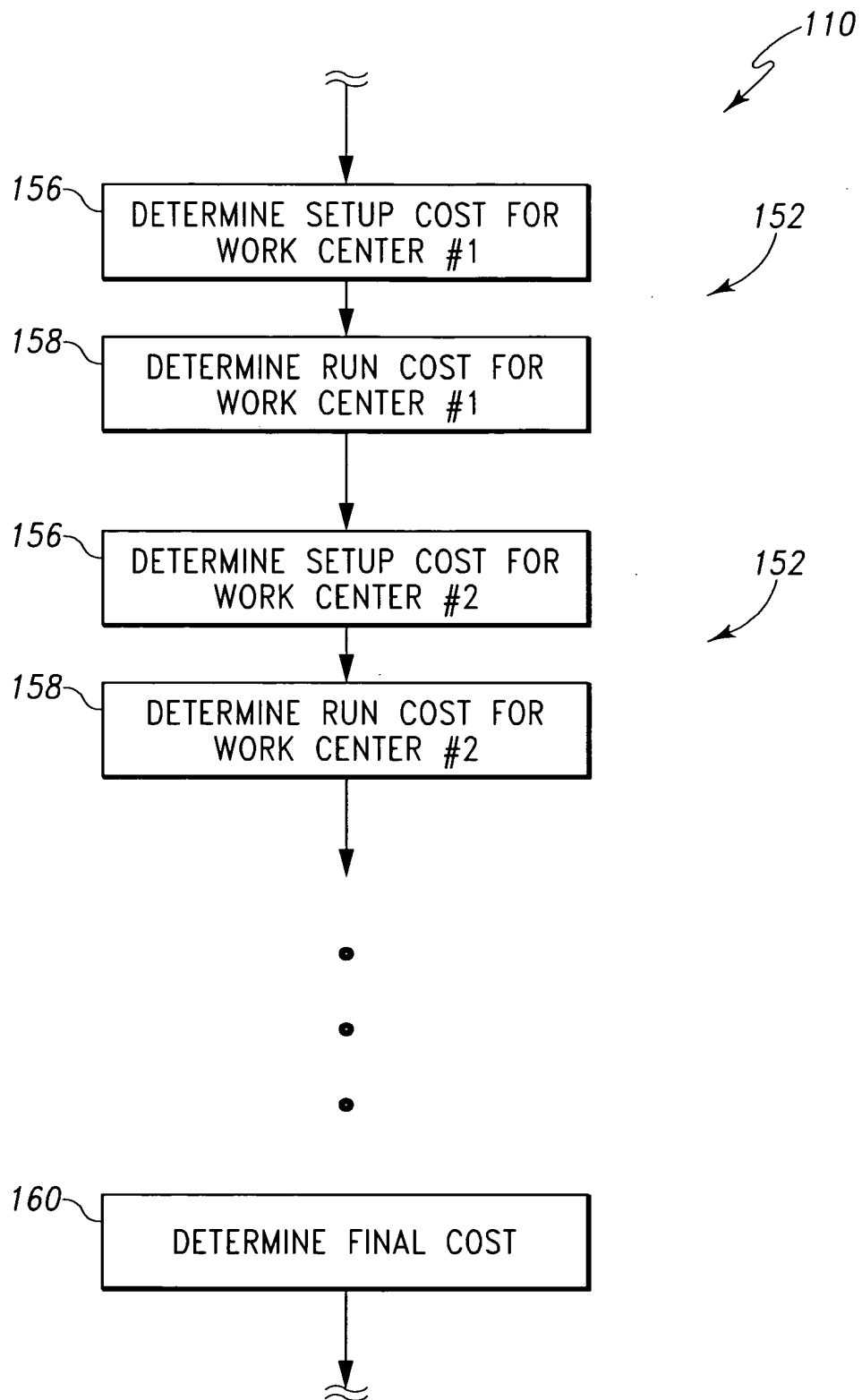


Fig. 3

213

Fig. 4

200

Assembly Design Assistant - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Links

Address

Go

Design Assistant Tools

Assembly

D12

Assembly Design Assistant
Set Monitor to 1024 x 768 Pixels

Monitor 90 ZOOM

Hold Cursor over a question for description

Single Board or Multi-Board Array?

Single Board	Width	4.50	Length	7.90
<p>Enter Outside Board Dimensions (Inches)</p> <p>Build to IPC Class (J1/J11)?</p> <p>Enter Quantity</p> <p>Turnaround Required?</p> <p>Are any SMT Components being placed?</p>				

208

3 Working Days (72 Hours)
5 Working Days
7 Working Days
10 Working Days
4 Weeks

209

Fixtures/
Programming
Cost/Board

\$0.00
\$0.00

SAVE/COMPARE
1 Option
2 Option
3 Option

GO TO SAVED
CLEAR ALL
PRINT

211

Diversified Systems recommends 1/4 Inch (Minimum) rails be provided on the PCB for Assembly Processing

Turntime is contingent on obtaining all Components required for Build

214

Go to Solder Side SMT Assistance

Are any Through Hole Components being placed?

start Assembly Design Ass... Internet 5:19PM

Fig. 5

200

Assembly Design Assistant - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back

Forward

Stop

Search

Home

Links

Address

Go

Design Assistant Tools

Assembly

D12

fx

Assembly Design Assistant

Set Monitor to 1024 x 768 Pixels

Monitor 90 ZOOM

Hold Cursor over a question for description

Single Board or Multi-Board Array?

Enter Outside Board Dimensions (Inches)

Build to IPC Class (I/II/III)?

Enter Quantity

Turnaround Required?

Is this a Mixed Technology Assembly?

Are any SMT Components being placed?

Fixtures/Programming

Cost/Board

\$0.00

\$0.00

Length

Width

Single Board

Recommend 1/4 Inch (Minimum)

Assembly Processing

GO TO SAVED

CLEAR ALL

PRINT

SAVE/COMPARE

1 Option

2 Option

3 Option

IPC-A-610:

Each Class requires specific criteria be met in regards to Solder Connections, the higher the Class the Higher the Manufacturing Difficulty.

Class 1: General Electronic Products (i.e.: Calculators, Toys, VCR, etc.)

Class 2: Dedicated Service Electronic Products (i.e.: Cell Phone, Controllers, etc.)

Class 3: High Performance Electronic Products (i.e.: Flight Control, Life Support, etc.)

all Components required for Build

212

tance

Are any Through Hole Components being placed?

start

Assembly Design Ass...

Internet

5:20PM

Fig. 6

213

Fin

200

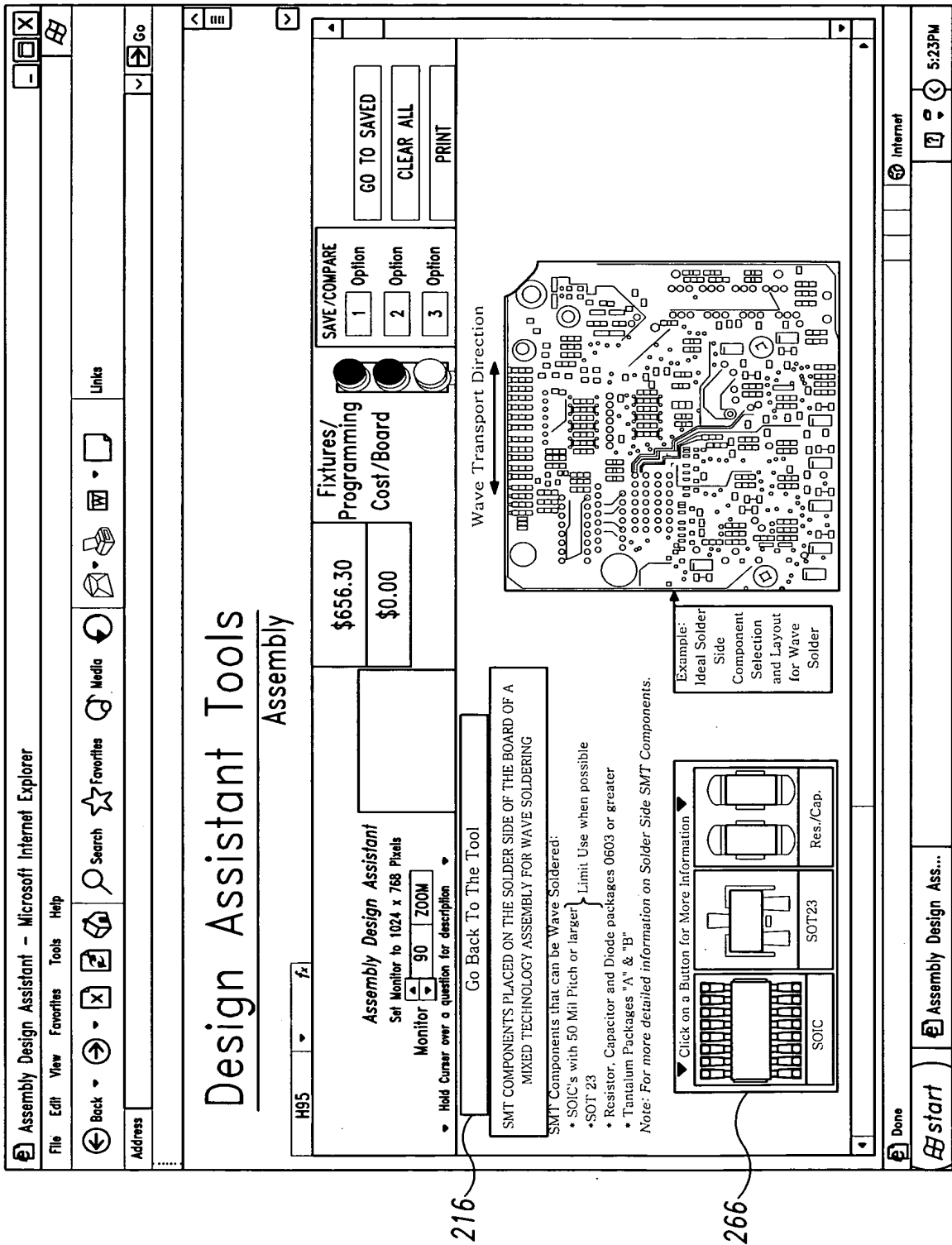


Fig. 8

200

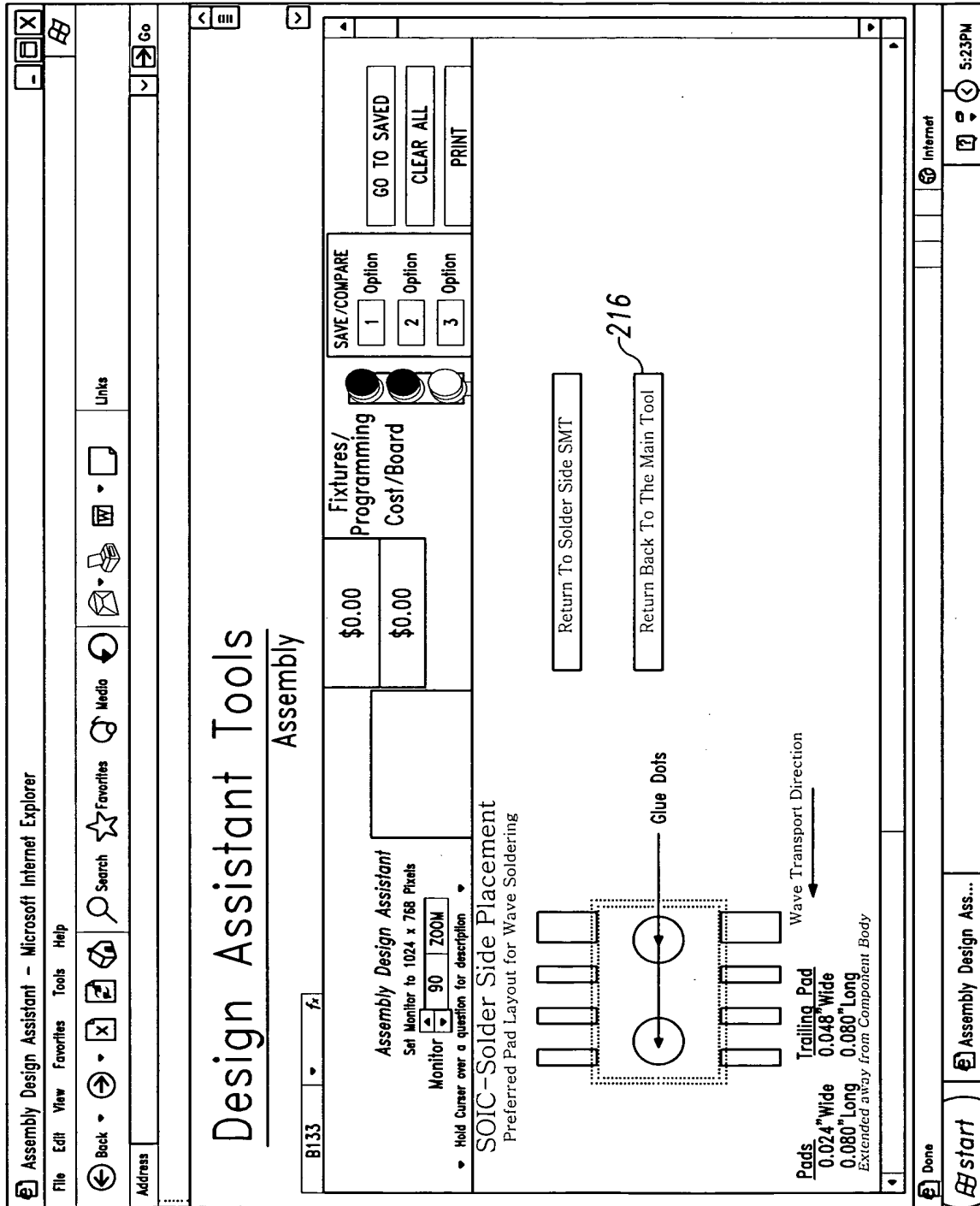


Fig. 9

200

Assembly Design Assistant - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back

Forward

Stop

Search

Home

Media

Links

Address

Go

Design Assistant Tools

Assembly

B4

230 Assembly Design Assistant

232

RETURN

PRINT

Clear All

Single Board or Multi-Board Array / # per Array?

Board/Array Dimensions?
Build to IPC Class?

Enter Quantity

Turnaround Required?

Is this a Mixed Technology Assembly?

Are any SMT Components being placed?

Total # of Unique SMT Components
Of these, Enter the # of Unique BGA's

Total # of SMT Components being replaced
Of these, are any of these smaller than 0603?

Of these, Enter the # that contain 3 leads or more

Of these, Enter the # that are BGA's

Of these, Enter the # that are Hand Placed

Expected SMT Process

Are any Through Hole Components being placed?

Total # of Unique Through Hole Components

Total # of Through Hole Components being placed

Total # of Leads for the Components being placed?

Total # of Through Hole Components to Hand Solder

Fixtures/
Programming
Cost/Board

\$1,576.56

\$119.24

232

Option 1

Clear 1

Single Board

Width

3

Length

4.5

2

300

4 Weeks

No

Yes-Both Sides

Component Side

Solder Side

10

5

20

300

5

20

3

20

Relief Solder Side Components, Rellow Component Side Components

Component Side

Solder Side

10

5

6

51

51

Fixtures/
Programming
Cost/Board

\$1,760.46

\$130.80

232

Option 2

Clear 2

Single Board

Width

3.5

Length

4.5

2

300

4 Weeks

No

Yes-Both Sides

Component Side

Solder Side

21

2

20

540

5

3

20

Relief Solder Side Components, Rellow Component Side Components

Component Side

Solder Side

10

5

6

51

51

Fixtures/
Programming
Cost/Board

\$2,159.05

\$319.75

232

Option 3

Clear 3

Single Board

Width

3

Length

6.43

2

300

7 Working Days

No

Yes-Both Sides

Component Side

Solder Side

82

21

233

No

3

20

Relief Solder Side Components, Rellow Component Side Components

Component Side

Solder Side

10

5

6

51

51

Done

start

Assembly Design Ass...

Internet

5:36PM

Fig. 10